


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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2131-08

Title of Invention	REMEDICATION METHOD																																																																																																																																								
<p>Application Number : 09/080684</p> <p>Confirmation Number: 9660</p> <p>First Named Applicant: Thomas Mikus</p> <p>Attorney Docket Number: 5119-04801</p> <p>Art Unit: 3673</p> <p>Examiner: Sunil Singh</p> <p>Search string: (5547311 or 5193934 or 4973811 or 5076727 or 5152341 or 5190405 or 5271693 or 4984594 or 5244310 or 5169263 or 2902270 or 3181613 or 5060287 or 5255742 or 5228804 or 5340236 or 5360067 or 5558463 or 5613452 or 5788412 or 5829918 or 5114497 or 5209604 or 5221287 or 5229583 or 5233164 or 5318116 or 5553189 or 5656239 or 5660500 or 5674424 or 6632047 or 6824328 or 6485232 or 6419423 or 6102622 or 5997214 or 6543539 or 2777679 or 4423323 or 4860544 or 5569154 or 6543539 or 3684037 or 5249368 or 5193934 or 4704514 or 5348422 or 5305239 or 20040228688 or 20040228689 or 20040228690 or 20040126190 or 20040120771 or 20030110794 or 20040120772 or 20030136558 or 20030110794 or 20030192691).pn</p>																																																																																																																																									
<h2>US Patent Documents</h2> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr><td>SS</td><td>1</td><td>5547311</td><td>1996-08-20</td><td>Kenda</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>2</td><td>5193934</td><td>1993-03-16</td><td>Johnson et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>3</td><td>4973811</td><td>1990-11-27</td><td>Bass</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>4</td><td>5076727</td><td>1991-12-31</td><td>Johnson et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>5</td><td>5152341</td><td>1992-10-06</td><td>Kasevich</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>6</td><td>5190405</td><td>1993-03-02</td><td>Vinegar et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>7</td><td>5271693</td><td>1993-12-21</td><td>Johnson et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>8</td><td>4984594</td><td>1991-01-15</td><td>Vinegar et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>9</td><td>5244310</td><td>1993-09-14</td><td>Johnson</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>10</td><td>5169263</td><td>1992-12-08</td><td>Johnson et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>11</td><td>2902270</td><td>1959-09-01</td><td>Salomonsson et al.</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>12</td><td>3181613</td><td>1965-05-04</td><td>Krueger</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>13</td><td>5060287</td><td>1991-10-22</td><td>Van Egmond</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>14</td><td>5255742</td><td>1993-10-26</td><td>Mikus</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>15</td><td>5228804</td><td>1993-07-20</td><td>Balch</td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>16</td><td>5340236</td><td>1994-08-23</td><td>Ikenberry</td><td></td><td></td><td></td></tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	SS	1	5547311	1996-08-20	Kenda				SS	2	5193934	1993-03-16	Johnson et al.				SS	3	4973811	1990-11-27	Bass				SS	4	5076727	1991-12-31	Johnson et al.				SS	5	5152341	1992-10-06	Kasevich				SS	6	5190405	1993-03-02	Vinegar et al.				SS	7	5271693	1993-12-21	Johnson et al.				SS	8	4984594	1991-01-15	Vinegar et al.				SS	9	5244310	1993-09-14	Johnson				SS	10	5169263	1992-12-08	Johnson et al.				SS	11	2902270	1959-09-01	Salomonsson et al.				SS	12	3181613	1965-05-04	Krueger				SS	13	5060287	1991-10-22	Van Egmond				SS	14	5255742	1993-10-26	Mikus				SS	15	5228804	1993-07-20	Balch				SS	16	5340236	1994-08-23	Ikenberry			
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SS	18	5558463	1996-09-24	Geisel			
SS	19	5613452	1997-03-25	Marchesi et al.			
SS	20	5788412	1998-08-04	Jatkar			
SS	21	5829918	1998-11-03	Chintis			
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SS	44	3684037	1972-08-15	Bodine			
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SS	47	4704514	1987-11-03	Van Egmond et al.			
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Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SS	1	20040228688	2004-11-18	Stegemeier et al.			
SS	2	20040228689	2004-11-18	Stegemeier et al.			
SS	3	20040228690	2004-11-18	Stegemeier et al.			
SS	4	20040126190	2004-07-01	Stegemeier et al.			

SS	5	20040120771	2004-06-24	Vinegar et al.			
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	9	20030110794	2003-06-19	Stegemeier et al.			
SS	10	20030192691	2003-10-16	Vinegar et al.			

Remarks

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Other art will be sent on a Form PTO-1449. Part 1 of 2 electronic IDS. The fee authorization included in this submission is for all IDS submitted on this date.

Signature

Examiner Name	Date
<i>Sanil Singh</i>	<i>4/15/05</i>

* considered above

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Stylesheet Version v18.0

Title of Invention	REMEDIATION METHOD 213105
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Application Number : 09/080684

Confirmation Number: 9660


First Named Applicant: Thomas Mikus

Attorney Docket Number: 5119-04801

Art Unit: 3673

Examiner: Sunil Singh

Search string: (4380930 or 4598392 or 4577503 or 5403119 or 5545803 or 5362397 or 4017309 or 5067852 or 5753494 or 4276164 or 5836718 or 5779762 or 4641028 or 5435666 or 4974425 or 4500327 or 4842448 or 5232951 or 6688387 or 4670634 or 5251700 or 5256208 or 5261765 or 5441365 or 5615974 or 5813799 or 5067852).pn



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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
SS	1	4380930	1983-04-26	Podhrasky et al.			
SS	2	4598392	1986-07-01	Pann			
SS	3	4577503	1986-03-25	Imaino et al.			
SS	4	5403119	1995-04-04	Hoyle			
SS	5	5545803	1996-08-13	Heath et al.			
SS	6	5362397	1994-11-08	Cyr			
SS	7	4017309	1997-04-12	Johnson			
SS	8	5067852	1991-11-26	Plunkett			
SS	9	5753494	1998-05-19	Hater et al.			
SS	10	4276164	1981-06-30	Martone et al.			
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SS	19	6688387	2004-02-10	Wellington et al.			
SS	20	4670634	1987-06-02	Bridges et al.			
SS	21	5251700	1993-10-12	Nelson et al.			

SS	22	5256208	1993-10-26	Rafson			
SS	23	5261765	1993-11-16	Nelson			
SS	24	5441365	1995-08-15	Duffney et al.			
SS	25	5615974	1997-04-01	Land et al.			
SS	26	5813799	1998-09-29	Calcote et al.			
*	27	5067852	1991-11-26	Plunkett			

Remarks

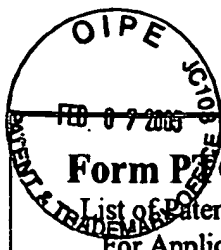
Note: Remarks are not for responding to an office action.

Fee authorization submitted with electronic IDS EFS No.: 77342

Signature

Examiner Name	Date
<i>Sunil Singh</i>	<i>4/15/05</i>

* considered above



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List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5119-04801

APPLICANT: Mikus et al.

FILING DATE: May 18, 1998

SERIAL NO: 09/080, ~~455~~ 684

ART UNIT: 3673

CONFIRM. NO.: 9660

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
SS	A1	DE 3716275	11/24/1988	Germany			
SS	A2	DE 3716275	11/24/1988	Germany			Abstract
SS	A4	1 366 357	9/11/1974	Great Britain			
SS	A5	EP 0 592 255	4/13/1994	Europe			
SS	A6	EP 0 592 255	4/13/1994	Europe			Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SS	A3	Patent Cooperation Treaty Communication, International Search Report for International Application No. PCT/EP 98/03017 mailed on September 16, 1998.
SS	A7	Patent Cooperation Treaty Communication, International Search Report for International Application No. PCT /US02/34273 mailed 2/18/2003, 3 pages.
SS	A8	Patent Cooperation Treaty Communication, International Search Report for International Application PCT/ US02/34199 mailed 7/2/2003, 8 pages.
SS	A9	Patent Cooperation Treaty Communication, International Search Report for International Application PCT/US04/15260 mailed January 4, 2005, 7 pages.
SS	A10	Patent Cooperation Treaty Communication, International Opinion of the International Searching Authority for International Application PCT/US04/15260 mailed January 4, 2005, 3 pages.
SS	A11	Heron et al., "Soil Heating for Enhanced Remediation of Chlorinated Solvents: A Laboratory Study on Resistive Heating and Vapor Extraction in a Silty, Low-Permeable Soil Contaminated with Trichloroethylene"; Environmental Science and Technology, May 15, 1998, 32(10); pp. 1474-1481.
SS	A12	Vinegar et al., "Remediation of Deep Soil Contamination using Thermal Vacuum Wells," © 1997. Society of Petroleum Engineers, pp. 905-918.
SS	A13	Vinegar et al., "In Situ Thermal Desorption using Thermal Wells and Blankets," May 1998, 1 pg.

EXAMINER: Sunil SinghDATE CONSIDERED: 4/15/05

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Information Disclosure Statement--PTO 1449 (modified)